

WEST

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L36: Entry 99 of 100

File: JPAB

Oct 10, 2000

PUB-NO: JP02000281586A
DOCUMENT-IDENTIFIER: JP 2000281586 A
TITLE: BONE-STRENGTHENING AGENT

PUBN-DATE: October 10, 2000

INVENTOR-INFORMATION:

NAME

COUNTRY

TOBA, YASUHIRO

TAKADA, YUKIHIRO

SAKURAI, TOSHIO

SATO, KAORU

AOE, SEIICHIRO

ASSIGNEE-INFORMATION:

NAME

COUNTRY

SNOW BRAND MILK PROD CO LTD

APPL-NO: JP11090561

APPL-DATE: March 31, 1999

INT-CL (IPC): A61 K 38/16; A61 P 19/10; A61 P 19/08; A61 P 43/00

ABSTRACT:

PROBLEM TO BE SOLVED: To obtain a bone-strengthening agent useful for prophylactic or treating bone diseases such as osteoporosis by formulating an iron-lactoferrin as an active component.

SOLUTION: This bone-strengthening agent contains an iron lactoferrin having at least 3 atoms of iron per every lactoferrin molecule as an active component. The iron lactoferrin is preferably an iron-lactoferrin conjugate and/or an iron- lactoferrin complex in which 10-700 mg of iron is combined with carbonate and/or bicarbonate in an amount of 15 mg or more per 1 g of the lactoferrin. Examples of the iron include ferrous sulfate and ferrous gluconate. The bone- strengthening agent may be compounded together with a component contributing bone-metabolism such as calcium, magnesium, vitamin D, vitamin K or an oligo sugar. The iron-lactoferrin is preferably formulated in such an amount that 1-10 mg of iron can be taken daily by an adult.

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L56: Entry 37 of 37

File: DWPI

Sep 19, 1991

DERWENT-ACC-NO: 1991-295636
DERWENT-WEEK: 200032
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TITLE: Human lactoferrin produced by recombinant DNA - used as nutritional supplement, as antimicrobial agent and to retard food spoilage

INVENTOR: KRUZEL, M L

PATENT-ASSIGNEE:

ASSIGNEE

FERRODYNAMICS INC

CODE

FERRN

PRIORITY-DATA: 1990US-0489186 (March 8, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9113982 A	September 19, 1991		000	
AU 9174533 A	October 10, 1991		000	

DESIGNATED-STATES: AT AU BB BG BR CA CH DE DK ES FI GB HU JP KP LK LU MC MG MW NL NO RO SD SE
SU AT BE CH DE DK ES FR GB GR IT LU NL SE

CITED-DOCUMENTS:5.Jnl.Ref; US 4436658

INT-CL (IPC): A01N 37/18; A23L 3/34; C12N 15/12

RELATED-ACC-NO: 1995-403881

ABSTRACTED-PUB-NO: WO 9113982A

BASIC-ABSTRACT:

The following are claimed: (A) human lactoferrin expressed by recombinant DNA; (B) lactoferrin having less than 25% metal loading; (C) lactoferrin having at least 35% metal loading; (D) a genetically altered organism capable of producing human lactoferrin; (E) a process for producing human lactoferrin comprising (a) isolating DNA encoding human lactoferrin from a cDNA library (b) inserting the isolated DNA into the DNA of a host organism, (c) culturing the host organism to express human lactoferrin and (d) recovering the expressed human lactoferrin from the culture media.

USE/ADVANTAGE - The recombinant human lactoferrin is free of naturally occurring contaminants that would be detrimental to recipients receiving lactoferrin as a nutritional supplement. The lactoferrin having at least 35% metal loading can be used for inhibiting trace-element deficiency in a mammal or as a nutritional supplement for foods. The lactoferrin having less than 25% metal loading can be used in the prevention or treatment of microbial infections, as a disinfectant or to retard food spoilage.

CHOSEN-DRAWING: Dwg.0/2

TITLE-TERMS: HUMAN LACTOFERRIN PRODUCE RECOMBINATION DNA NUTRIENT SUPPLEMENT
ANTIMICROBIAL AGENT RETARD FOOD SPOIL

DERWENT-CLASS: B04 D13 D16 D22

CPI-CODES: B04-B04A1; B04-B04A6; B05-A03A; B12-A01; B12-J01; B12-M06; D03-A; D03-H01P; D03-H01T; D05-C12;
D05-H03B; D05-H12; D05-H13; D09-A;

CHEMICAL-CODES:

Chemical Indexing M1 *01*

Fragmentation Code

M423 M710 M903 Q233 V500 V540 V753

Chemical Indexing M1 *00*

Fragmentation Code

M423 M424 M710 M720 M740 M781 M903 N104 N131 N135
N161 P220 P714 Q211 Q220 Q225 Q233 Q261 V752

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-127838

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L44: Entry 9 of 9

File: DWPI

Jul 23, 1998

DERWENT-ACC-NO: 1998-399777

DERWENT-WEEK: 199904

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TITLE: Improved lactose-containing magnetic capsules for intestinal use - containing magnetite, piezoelectric rock crystal, magnesite, powdered plant material etc

INVENTOR: METZ, A

PATENT-ASSIGNEE:

ASSIGNEE

METZ A

CODE

METZI

PRIORITY-DATA: 1996DE-1053100 (December 19, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 19653100 A1	July 23, 1998		004	A23L001/29

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE19653100A1	December 19, 1996	1996DE-1053100	

INT-CL (IPC): A23 L 1/09; A23 L 1/29

ABSTRACTED-PUB-NO: DE19653100A

BASIC-ABSTRACT:

Lactose-containing magnetic capsule for use in the intestines or other organs or for general use as a food supplement contains ferromagnetic magnetite (Fe₃O₄) in combination with (A) piezoelectric rock crystal (SiO₂) and magnesite powder (MgCO₃); (B) a mixture of the following 17 powdered plants : ginseng root, taiga root, mistletoe, ginkgo biloba leaves, hawthorn flowers or leaves, horse chestnut leaves, milk thistle, balm mint leaves, St. John's wort, speedwell, linden flowers, arnica flowers, lesser centaury (Erythraea centaurium), marigold flowers, yarrow (Achillea millefolium), red soapwort and calamus root; (C) vitamins A, C, E, aneurin, riboflavin, pyridoxine, B12, Q10; (D) reduced glutathione, glutamine, cysteine, methionine; (E) Ca-, Mg- and K-citrate; (F) E. Coli or Lactobacillus acidophilus; (G) heartwood of Thuja plicata; (H) oak bark; (I) aspirin and/or willow bark; (J) essential trace elements, especially Zn, Se and Mn; and (K) the carbohydrates : lactose, starch, dextrose.

USE - The capsules are useful in the intestines, all organs and general use as a food supplement.

ADVANTAGE - The capsules are stated to have protected the applicant for over 10 years from intestinal bleeding, chronic diarrhoea and various dental problems.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: IMPROVE LACTOSE CONTAIN MAGNETIC CAPSULE INTESTINAL CONTAIN MAGNETITE
PIEZOELECTRIC ROCK CRYSTAL MAGNESITE POWDER PLANT MATERIAL

DERWENT-CLASS: D13

CPI-CODES: D03-H01T2;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0034U; 0035U ; 0038U ; 0115U ; 0179U ; 0187U ; 0241U ; 0252U ;
0279U ; 0282U ; 0297U ; 0419U ; 0503U ; 1359U ; 1628U

SECONDARY-ACC-NO:

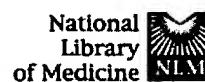
CPI Secondary Accession Numbers: C1998-121188

WEST Search History

DATE: Monday, August 26, 2002

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>			
L18	yeast or saccharomyces	79161	L18
L17	l1 and l2 and (bioflavonoid or hesperidin)	9	L17
L16	L14 and (bioflavonoid or hesperidin)	0	L16
L15	L14 and (bioflavonoid or heseridin)	0	L15
L14	L13 and (bacteria or lactobacillus or bacterium)	367	L14
L13	l1 and l2 and (yeast or saccharomyces)	515	L13
L12	L11 same l1	1	L12
L11	L10 same l2	1075	L11
L10	(glycoprotein) with matrix	1075	L10
L9	(coenzyme) same (glycoprotein)	74	L9
L8	(coenzyme near q10) same (glycoprotein)	0	L8
L7	l3 same l6	0	L7
L6	bioflavonoid or hesperidin or (vitamin near p)	1109	L6
L5	bioflavonoid or hesperidin	775	L5
L4	L2 with l1	124	L4
L3	L2 same l1	221	L3
L2	glycoprotein	24410	L2
L1	coenzyme or ubiquinone or (vitamin near k)	12292	L1

END OF SEARCH HISTORY



PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM	Books
Search	PubMed	▼	for	lactoferrin ubiquinone			Preview	Go
Clear								
Limits		Preview/Index		History		Clipboard		Details

- Search History will be lost after one hour of inactivity.
- To combine searches use # before search number, e.g., #2 AND #6.
- Search numbers may not be continuous; all searches are represented.

Entrez PubMed

Search	Most Recent Queries	Time	Result
#7	Search lactoferrin ubiquinone	10:20:45	<u>1</u>
#6	Search lectin ubiquinone	10:20:32	<u>4</u>
#5	Search epo ubiquinone	10:20:25	<u>1</u>
#2	Search glycoprotein ubiquinone	09:57:02	<u>39</u>
#1	Search glycoptrotein ubiquinone	09:46:48	<u>5298</u>

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<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>			
L16	(q10 or ubiquinone) same glycoprotein	37	L16
L15	epo same l1	16	L15
L14	l1 same l3 same l2	103	L14
L13	L11 and l4	1	L13
L12	L11 same l4	0	L12
L11	L10 same l2	103	L11
L10	l3 same l1	541	L10
L9	L8 and l1	25	L9
L8	glycoprotein same nutrition\$3	111	L8
L7	glycoprotein same lactoferrin same lectin	4	L7
L6	l1 same l4	23	L6
L5	maltose or (gum near acacia)	26196	L5
L4	hesperidin or bioflavonoid	775	L4
L3	bacteria or lactobacill\$3 or (bacterium near bifidus)	171122	L3
L2	yeast or saccharomyces	79161	L2
L1	ubiquinone or coenzyme or (vitamin near k)	12292	L1

END OF SEARCH HISTORY

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Set Name Query side by side

Hit Count Set Name result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI; THES=ASSIGNEE; PLUR=YES;
OP=ADJ*

L70	L69 and saccharomyces	58	L70
L69	L68 and yeast	82	L69
L68	(ubiquinone or q10 or (coenzyme near 10)) and lectin	100	L68
L67	erythropoietin same (vascular with (disease or disorder))	14	L67
L66	L64 and l1	126	L66
L65	L64 and bioflavonoid	3	L65
L64	vascular with (thrombin or thrombopoietin or thrombospondin or erythropoietin)	840	L64
L63	(vasoprotect\$3 or (vascular near therapy)) with (thrombin or thrombopoietin or thrombospondin or erythropoietin)	1	L63
L62	(vasoprotect\$3) with (thrombin or thrombopoietin or thrombospondin or erythropoietin)	1	L62
L61	(vasoprotect\$3) with (thrombin or thrombospondin or erythropoietin)	1	L61
L60	(vasoprotect\$3) with thrombin	1	L60
L59	L58 and bioflavonoid	2	L59
L58	(vascular or vasoprotect\$3) with thrombin	652	L58
L57	(vascular or vasoprotect\$3) same thrombin	1121	L57
L56	L54 same (food or nutrition\$3)	37	L56
L55	L54 same food	28	L55
L54	lactoferrin same (supplement)	49	L54
L53	lactoferrin same (supplement near food)	5	L53
L52	lactoferrin with ((supplement with food))	11	L52
L51	lactoferrin with (intestin\$3 with (supplement with food))	0	L51
L50	lactoferrin with (intestin\$3 with (supplement near food))	0	L50
L49	lactoferrin with (intestinal or (supplement near food) or intestine)	89	L49
L48	lactoferrin with (intestinal or supplement or food or intestine)	206	L48
L47	lactoferrin same (intestinal or supplement or food or intestine)	284	L47
L46	(ubiquinone or q10 or (coenzyme near 10)) same (gastric or gastro or intestinal)	32	L46
L45	(ubiquinone or q10 or (coenzyme near 10)) same saccharomyces	17	L45
L44	(ubiquinone or q10 or (coenzyme near 10)) same lactobacillus	9	L44
L43	(ubiquinone or q10 or (coenzyme near 10)) same (protein near c)	11	L43
L42	(ubiquinone or q10 or (coenzyme near 10)) and (bioflavonoid)	23	L42

L41	(ubiquinone or q10 or (coenzyme near 10)) and (lectin or erythropoietin or epo or Thrombopoietin)	160	L41
L40	(ubiquinone or q10 or (coenzyme near 10)) same (lectin or erythropoietin or epo or Thrombopoietin)	13	L40
L39	(ubiquinone or q10 or (coenzyme near 10)) same (lectin or erythropoietin or epo or lactoferrin or Thrombopoietin)	109	L39
L38	l35 not l36	65	L38
L37	lactoferrin same l1	100	L37
L36	lactoferrin same l1	100	L36
L35	lactoferrin and l1	165	L35
L34	(lactobacillus) same (vascular)	1	L34
L33	(saccharomyces) same (vascular)	17	L33
L32	(ubiquinone or q10 or (coenzyme near 10)) same (vascular)	16	L32
L31	l26 and l27	19	L31
L30	l27 and l26	0	L30
L29	l27 not l26	107	L29
L28	((ubiquinone or q10 or (coenzyme near 10)) same (l2)) and protein	41	L28
L27	(ubiquinone or q10 or (coenzyme near 10)) same (l3)	126	L27
L26	(ubiquinone or q10 or (coenzyme near 10)) same (l2)	79	L26
L25	(ubiquinone or q10 or (coenzyme near 10)) and (l2 and l3)	316	L25
L24	(ubiquinone or q10 or (coenzyme near 10)) same(l2 same l3)	13	L24
L23	(ubiquinone or q10 or (coenzyme near 10)) same(l2 or l3)	186	L23
L22	(ubiquinone or q10 or (coenzyme near 10)) and (l2 or l3)	722	L22
L21	(ubiquinone or q10 or (coenzyme near 10)) and hesperidin	14	L21
L20	ubiquinone same hesperidin	3	L20
L19	l1 and l4 and l3 and l2	11	L19
L18	L17 not l6	62	L18
L17	l1 and l4	85	L17
L16	(q10 or ubiquinone) same glycoprotein	37	L16
L15	epo same l1	16	L15
L14	l1 same l3 same l2	103	L14
L13	L11 and l4	1	L13
L12	L11 same l4	0	L12
L11	L10 same l2	103	L11
L10	l3 same l1	541	L10
L9	L8 and l1	25	L9
L8	glycoprotein same nutrition\$3	111	L8
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result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI; THES=ASSIGNEE; PLUR=YES;
OP=ADJ*

L5	L4 not l3	35	L5
L4	L2 same (ubiquinone or q10 or (coenzyme near 10) or co10)	131	L4
L3	L2 with (ubiquinone or q10 or (coenzyme near 10) or co10)	96	L3
L2	amyloid or avidin or erythropoietin or (colony near stimulating near factor) or lactoferrin or fibronectin or mucoprotein or mucin or peptidoglycan or (protein near (c or s)) or proteoglycan or Thrombopoietin or (tumor near necrosis near factor)	49828	L2
L1	ubiquinone or q10 or coenzyme	15763	L1

END OF SEARCH HISTORY